

SAFETY DATA SHEET(SDS)

Compliant with GHS (Rev. 9) & OSHA 29 CFR 1910.1200

Visco-Elastic Anti-corrosion Materials

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

Product Name: Visco-Elastic Anti-corrosion Materials (Tape / Paste)

Recommended Use: Corrosion protection for buried pipelines and irregular components (tees, elbows, valves) in oil, gas, municipal, and mining industries.

Manufacturer: Shandong Quanmin Plastic Co., Ltd.

Address: North side of Tuo Si Combined Station, Shengli Oil Production Plant, Dongying City, Shandong Province, China.

Emergency Tel: **+86-546-8740309**

SECTION 2: HAZARD IDENTIFICATION

2.1 GHS Classification

This product is defined as an "Article" and is not classified as a hazardous chemical under normal solid conditions at room temperature.

2.2 Label Elements

No hazard pictograms or signal words required.

2.3 Physical and Chemical Hazards

No specific hazards in solid state. The product is extremely tacky and difficult to remove if adhered to clothing or tools. Flammable under extreme heat or open flames.

2.4 Health and Environmental Hazards

Health: Harmless under normal operating conditions. Sensitive individuals may experience slight skin irritation upon prolonged contact. Fumes generated at decomposition temperatures may irritate the respiratory tract.

Environmental: Non-biodegradable. Do not discharge into the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance Type: Mixture

Chemical Name	Synonyms / CAS No.	Weight Percentage (%)
Polyisobutylene (PIB)	9003-27-4	50% - 70%
Inert Mineral Fillers	N/A	20% - 35%
Anti-aging / Antioxidants	Proprietary	< 2%
Pigments / Colorants	Non-black	< 2%

SECTION 4: FIRST AID MEASURES

Skin Contact: Normal contact is harmless. If adhered, do not peel off forcibly. Use vegetable oil, mineral oil, or industrial-grade hand cleaner to dissolve residues, then rinse with soap and water. If irritation persists, seek medical attention.

Eye Contact: Flush eyes with running water for at least 15 minutes. Seek medical advice if irritation persists.

Inhalation: No risk at room temperature. If exposed to fumes from overheating, move to fresh air.

Ingestion: Rinse mouth. Do not induce vomiting. Seek medical attention immediately.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media: Dry powder, Carbon Dioxide (CO₂), foam, or water spray.

Specific Hazards: Combustion produces dense black smoke, Carbon Monoxide (CO), Carbon Dioxide (CO₂), and minor amounts of hydrocarbons.

Firefighting Precautions: Firefighters must wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing. Stay upwind.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: Wear standard work clothes and protective gloves.

Environmental Protection: Prevent waste from entering sewers or natural water bodies.

Cleanup Method: Due to its "cold flow" characteristics, spilled material can be scraped with mechanical tools or collected manually and placed in dedicated containers.

SECTION 7: HANDLING AND STORAGE

Handling: Wear protective gloves to avoid prolonged skin contact with the high-tack adhesive. Ensure adequate ventilation.

Storage: Store in a cool, dry, and well-ventilated warehouse.

Stacking Limits: To prevent deformation of bottom rolls due to "cold flow", stacking height should not exceed the specified limit.

Keep away from ignition sources, heat, and direct sunlight.

Recommended Temperature: -5°C to 45°C.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General ventilation is sufficient.

Respiratory Protection: Not required for routine use. Use a mask in confined, poorly ventilated heating environments.

Hand Protection: Use cotton or nitrile gloves.

Eye Protection: Use safety goggles if necessary.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/State	Green or Blue paste/tape, high tack, cold flow self-healing
Odor	Odorless or slight paraffin-like odor
Solubility	Insoluble in water. Soluble in gasoline, toluene, and kerosene.
Flow Temperature	> 60°C (Significant flow behavior)
Flash Point	> 230°C

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal temperatures and recommended storage conditions.

Incompatible Materials: Strong oxidizing agents (e.g., potassium permanganate, concentrated nitric acid).

Conditions to Avoid: Open flames, extreme heat.

Hazardous Decomposition: Carbon oxides and complex hydrocarbon mixtures generated during combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: No known toxicity.

Skin: Non-irritating under normal use. **Carcinogenicity:** Ingredients are not listed as carcinogens by IARC.

SECTION 12: ECOLOGICAL INFORMATION

Biodegradability: Non-biodegradable; persists in the environment.

Mobility: Solid form, non-volatile, insoluble in water; minimal impact on soil and water quality.

SECTION 13: DISPOSAL CONSIDERATIONS

Method: Dispose of via incineration or safe landfilling at a licensed waste treatment facility. Comply with local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

Transport Classification: Classified as non-hazardous goods for transport.

Handling Marks: Keep dry, avoid direct sunlight, prevent compression/deformation, avoid hooking.

SECTION 15: REGULATORY INFORMATION

- Complies with "Regulations on the Safety Management of Hazardous Chemicals" (China).
- Complies with international pipeline coating standards (e.g., ISO 21809-3, DIN 30672).

SECTION 16: OTHER INFORMATION

HMIS Rating: Health: 0 | Flammability: 1 | Physical Hazard: 0

Prepared by: Technical Quality Department, Shandong Quanmin Plastic Co., Ltd.

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Disclaimer: The information provided in this Safety Data Sheet (SDS) is based on our current knowledge and experience and is intended for safety guidance purposes only; it does not constitute a product quality guarantee. Since the conditions of use are beyond our control, users are responsible for evaluating the product and complying with all local laws and regulations.